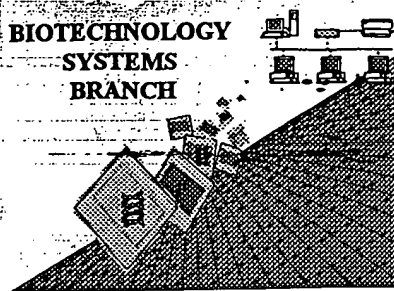


RAW SEQUENCE LISTING **ERROR REPORT**

BIOTECHNOLOGY
SYSTEMS
BRANCH



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number:

09/215,077

Source:

1641

Date Processed by STIC:

8/24/2000

SEP 01 2000

TECH CENTER 1600/2900

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR FURTHER INFORMATION, PLEASE TELEPHONE MARK SPENCER, 703-308-4212.

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 - 1.825 effective October-1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>

B. Nguyen

TECH CENTER 1600 1641

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/215,077

DATE: 08/24/2000
TIME: 16:03:39

Input Set : A:\PTO.txt
Output Set: N:\CRF3\08232000\I215077.raw

Does Not Comply
Corrected Diskette Needed

3 <110> APPLICANT: PRICE, PAUL A
5 JOHANSEN, JULIA S
9 <120> TITLE OF INVENTION: ASSAY FOR YKL-40 AS A **MARKER** FOR DEGRADATION OF
11 MAMMALIAN CONNECTIVE TISSUE MATRICES
15 <130> FILE REFERENCE: M-8954-2US
19 <140> CURRENT APPLICATION NUMBER: 09/215,077
21 <141> CURRENT FILING DATE: 1998-12-18
25 <160> NUMBER OF SEQ ID NOS: 4
29 <170> SOFTWARE: PatentIn Ver. 2.0
33 <210> SEQ ID NO: 1
35 <211> LENGTH: 25
37 <212> TYPE: PRT
39 <213> ORGANISM: Artificial Sequence
43 <220> FEATURE:
45 <223> OTHER INFORMATION: Description of Artificial Sequence: N-terminal
47 amino acid sequence for the YKL-40 protein.
51 <400> SEQUENCE: 1
53 Tyr Lys Leu Val Cys Tyr Tyr Thr Ser Trp Ser Gln Tyr Arg Glu Gly
55 1 5 10 15
W--> 59 Asp Gly Ser Xaa Phe Pro Asp Ala Leu 25
61
67 <210> SEQ ID NO: 2
69 <211> LENGTH: 19
71 <212> TYPE: PRT
73 <213> ORGANISM: Artificial Sequence
77 <220> FEATURE:
79 <223> OTHER INFORMATION: Description of Artificial Sequence: An internal
81 amino acid sequence for the YKL-40 protein (YKL-40
83 peptide A).
87 <400> SEQUENCE: 2
89 Leu Asn Thr Leu Lys Asn Arg Asn Pro Asn Leu Lys Thr Leu Leu Ser
91 1 5 10 15
95 Val Gly Gly
103 <210> SEQ ID NO: 3
105 <211> LENGTH: 7
107 <212> TYPE: PRT
109 <213> ORGANISM: Artificial Sequence
113 <220> FEATURE:
115 <223> OTHER INFORMATION: Description of Artificial Sequence: YKL-40 peptide
117 B.
121 <400> SEQUENCE: 3
123 Leu Arg Leu Gly Ala Pro Ala
125 1 5
131 <210> SEQ ID NO: 4
133 <211> LENGTH: 1681
135 <212> TYPE: DNA
137 <213> ORGANISM: Artificial Sequence

see item 10 on Ena Summary sheet

RAW SEQUENCE LISTING

DATE: 08/24/2000

PATENT APPLICATION: US/09/215,077

TIME: 16:03:39

Input Set : A:\PTO.txt

Output Set: N:\CRF3\08232000\I215077.raw

141 <220> FEATURE:

143 <223> OTHER INFORMATION: Description of Artificial Sequence:cDNA nucleotide
145 sequence for the coding region of the gene for

147 YKL-40.

151 <400> SEQUENCE: 4

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157 agtgctgctc tgcatacaaa ctggtctgct actacaccag ctggtcccag taccgggaag 180
159 gcgatgggag ctgcttccca gatgcccttg accgcttctt gtgtaccac atcatctaca 240
161 gctttgccaa tataagcaac gatcacatcg acacctggga gtggaatgat gtgacgctct 300
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167 ggactttcat caagtcatga ccgccatttc tgcgcacca tggtttgat ggcgtgacc 480
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171 tgaaggccga atttataaag gaagcccagc cagggaaaaa gcagctcctg ctgagcgag 600
173 cactgtctgc ggggaaggtc accattgaca gcagctatga cattgccaa atatccaac 660
175 acctggattt cattagcatc atgacctacg attttcatgg cgcctggcgt gggaccacag 720
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179 ctgactatgc tgtggggtac atgttagggc tgggggctcc tgccagtaag ctggtgatgg 840
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207 atcctacttc cccttctcaa ttccacagct gctcaataaa gtacaagagt ttaacagtgt 1680
209 g
1681

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VERIFICATION SUMMARY DATE: 08/24/2000
PATENT APPLICATION: US/09/215,077 TIME: 16:03:40

Input Set : A:\PTO.txt
Output Set: N:\CRF3\08232000\I215077.raw

L:59 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:1
L:59 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:1
L:59 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:1